

HJ

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**Technical specification of eco-environmental protection and
reclamation for mining(On trial)**
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Foreword

To implement the "People's Republic of China Environmental Protection Law", "People's Republic of China Environmental Impact Assessment Law" and "the State Council Opinions on Strengthening Key Environmental Protection Tasks "to regulate the development of mineral resources in the process of Ecological Environment Protection and Restoration Work to promote mine ecological environment protection, development of this standard.

This standard specifies the mineral resources exploration and mining process, dump, open pit, tailings, mine roads, Technical guidance mine industrial site, subsidence area, waste rock fields, mines and other contaminated sites and mine ecological environment protection and recovery Governance Surgery requirements.

This standard was proposed by the Ministry of Environmental Protection Natural Ecology

Protection Department.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard is mainly drafted by. Environmental Protection Department of the Nanjing Institute of Environmental Sciences, Ministry of Environmental Protection Standards Institute, Sinosteel Maanshan Institute of Mining Research Co., Ltd. (the State Environmental Protection Mine Solid Waste Treatment and Disposal Engineering Technology Heart) and the Cold and Arid Regions Environmental and Engineering Research Institute.

This standard MEP July 23, 2013 for approval.

This standard since July 23, 2013 implementation.

The standard explanation by the Ministry of Environmental Protection.

Mine Ecological Environment Protection and Restoration Technical Specifications (Trial)

1 Scope

This standard specifies the exploration and mining of mineral resources during mining ecological environmental protection requirements, including dump, open-air Stope, tailings, mine roads, mining industrial sites, subsidence area, farm waste rock, mine ecological environment contaminated sites Guiding the technical requirements of conservation and restoration of governance.

This standard applies to coal, metal ores, non-metallic minerals, oil and gas mining, coal bed methane, gravel mining and other land mineral resources exploration, Ecological Environment Protection and Restoration after mining and mine closure process.

Ecological Environment Protection and Restoration of uranium, thorium and other radioactive mineral resources can be developed for implementation.

2 Normative references

The standard content of the following documents cited in the articles. For undated references, the effective version applies this standard.

GB 3095 Ambient Air Quality Standard GB 3838 Surface Water Quality Standards GB 5084 irrigation water quality standards GB 8978 Integrated Wastewater Discharge Standard GB 9078 industrial furnace air pollutant emission standards GB 11607 Fisheries water quality standards GB/T 14848 groundwater environmental quality standards GB 14500 radioactive waste management GB 16297 Air Pollutant Emission Standards GB 18484 Hazardous Waste Incineration Pollution Control Standard GB 18597 Hazardous Waste Storage Pollution Control Standard GB 18598 Hazardous Waste Landfill Pollution Control Standard

GB 18599 general industrial solid waste storage and disposal site pollution control standards GB 20426 coal industry emission standards GB 21522 coalbed methane (CMM) emissions standards (provisional) GB 25465 aluminum industry emission standards GB 25466 Lead, zinc industrial pollutant discharge standards GB 25467 copper, nickel, cobalt, industrial pollutants emission standards GB 25468 magnesium, titanium industrial pollutant discharge standards GB 26451 rare earth industry emission standards GB 28661 iron ore mining industry emission standards GB 50433 technical specification of construction project HJ/T 294 standard clean production of iron ore mining industry HJ/T 358 standard clean production of nickel mineral processing industry HJ 446 Cleaner production standard coal mining industry HJ 607 mineral oil waste recycling pollution control technical specifications HJ 652 mine ecological environment protection and recovery management program (plan) preparation (for Trial Implementation) AQ 2006 tailings safety technology UDC-TD reclamation technical standards (Trial)

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Mine Ecological Environment Protection

It means to take the necessary preventive and protective measures to avoid or mitigate the exploration and mining of mineral resources caused ecological damage and environmental Pollution.

3.2 Ecological environment in mining recovery

It refers to the exploration and mining of mineral resources in the process of all kinds of ecological destruction and environmental pollution take artificial measures to promote and rely on students Ecosystem self-regulation and self-organization, gradual recovery and reconstruction of its ecological functions.

3.3 EXPLORATION

It refers to the activities of exploration of mineral resources in the exploration license specified range.

3.4 Surface Mining

Chang Lu finger from surface mining sites mined useful minerals or mineral deposits on the cover (including rocks, soil, etc.) peeled After revealing seam mining process, also known as open pit mining.

3.5 Underground mining

It refers to the use mine shaft, inclined shaft tunnel in the form of peace from the underground deposit useful minerals recovery process.

3.6 Filling Mining

With the advance of mining face refers to the underground mined-out area into the filling material, control the surrounding rock collapse and ground displacement and deformation.

3.7 Topsoil

Refers to the soil profile closest to the surface of a level (A layer), the general thickness of 20 ~ 30cm, black soil and chernozem of A Layer thickness up to 50 ~ 100cm.

3.8 Dump

Refers to the place mine stripping and excavation for Dumping was concentrated emissions, including the inner and outer dump dump, also known as waste rock, row Rock field.

3.9 Open Pit

It refers to surface mining activities in the formation of "empty field" or "empty", also known as open-air goaf.

3.10 Tailings

Taniguchi defined by damming or enclosure constructed for storage after sorting discharge tailings beneficiation field locations.

3.11 Mine Subsidence

Refers to mining caused the original stress state of equilibrium above the Mined rock is destroyed, the occurrence of falling, broken, bent Music and other movement and deformation, eventually involving the surface, forming a subsidence basin subsidence and fissures terrain.

3.12 Mine industrial site

It refers to the building ground for the mine production systems and auxiliary production systems and services, structures and related facilities of the venue.